UNIVERSAL TIME ZONE CONVERSION

Abstract of the Disclosure

A method and timezone database structure for generating, storing, and using information for performing timezone-related calculations, such as flexible and efficient conversion of dates and times from one timezone to another. The timezone database structure includes a first table and a second table. The first table relates timezones to timezone identifiers. The second table relates the timezone identifiers to local shift times and associated anchor shift times. The timezone database structure may be generated for a local timezone from knowledge of: the date and time of shift in local time, the amount and direction of the shift, the Standard Time offset between the local timezone and an anchor time, and an Advanced Time offset of the local timezone relative to Standard Time.

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